A. SIDNEY KATZ RICHARD L. WOOD\* JEROLD B. SCHNAYER ERIC C. COHEN JOSEPH R. MARCUS GERALD S. SCHUR GERALD T. SHEKLETON JAMES A. SCHEER DANIEL R. CHERRY ROBERT B. BREISBLATT JAMES P. WHITE R. MARK HALLIGAN HARTWELL P. MORSE, III EDWARD P. GAMSON, PH.D. KARA E.F. CENAR KATHLEEN A. RHEINTGEN THOMAS W. TOLPIN\* ELLIOTT C. BANKENDORF RICHARD W. McLAREN, JR. JOHN L. AMBROGI JULIE A. KATZ JON P. CHRISTENSEN ERIC D. COHEN WALTER J. KAWULA, JR.

PHILIP D. SEGREST, JR.

MITCHELL J. WEINSTEIN LEONARD FRIEDMAN

STEVEN E. FELDMAN

JEFFREY W. SALMON

WELSH & KATZ, LTD.

JUL 20 TH RIVERSIPE PLAZA · 22ND FLOOR

CHICAGO, ILLINOIS 60606-3912

TELEPHONE (3128655-1500 FACSIMILE (312) 655-1501

www.welshkatz.com

THOMAS L. GEMMELL LOUISE T. WALSH CHARLES R. KRIKORIAN, PH.D. PAUL M. VARGO, PH.D.

SHANNON L. NEBOLSKY, PH.D. RICHARD J. GURAK
J. ARON CARNAHAN
ERIK B. FLOM, PH.D.
JOSEPH E. CWIK
IRENE M. REININGER
TERESA D. TAMBOLAS
DANIEL M. GURFINKEL
INDIRA SALADI
BRYAN C. WALLACE
ANDREA B. ELLMAN
MICHELE S. KATZ
JOHN R. GARRETT
NATALIE A. REMIEN

OF COUNSEL LAURIE A. HAYNIE JAMES J. MYRICK THOMAS R. VIGIL

DONALD L. WELSH (1925-1998)

· ALSO ADMITTED IN DISTRICT OF COLUMBIA

July 16, 2002

Commissioner for Patents Washington, D.C. 20231

Re:

Patent Application of Wright

Serial No. 10/063,451; Filed: April 24, 2002 METHOD AND APPARATUS FOR SENSING THE ANGULAR POSITION OF A ROTATING

**MEMBER** 

Our File No. 0767-86987

CERTIFICATE OF MAILING

I hereby certify that this paper is being deposited with the United States Postal Service as First-Class Mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this date.

Date Eric D. Cohen, Reg. No. 38,110

#### Dear Sir:

### Enclosed herewith are the following:

- 1. Transmittal Letter (in duplicate);
- 2. Information Disclosure Statement (in duplicate);
- 3. Form PTO-1449 (in duplicate);
- 4. Copies of seventeen (17) U.S. references cited therein; and
- 5. Postcard.

The Commissioner is hereby authorized to charge any fees which may be required to Deposit Account No. 23-0920. A duplicate copy of this sheet is enclosed.

Very truly yours,

WELSH & KATZ, LTD.

Eria D. Cahan



Docket: 86987

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applica	nt:	Wright	Group Art Unit:	2834			
Serial N	o.:	10/063,451	Examiner:	Not Yet Assigned			
For:		METHOD AND APPARATUS FOR SENSING THE ANGULAR POSITION OF A ROTATING MEMBER	Filed:	April 24, 2002	JUL 29 2002 TECHNOLOGY CENTER 2800		
		INFORMATION DISCLOS	SURE STATE	MENT	שרטפג טנ ארטפג טנ		
[X] 1	Pursuant to 37 CFR 1.97(b) [within 3 months of filing or prior to 1 <sup>st</sup> Office Action]						
[]2	Certification Pursuant to 37 CFR 1.97(c) [before Final Office Action or Allowance]						
[]3		Fee Payment Pursuant to 37 CFR 1.97(c) [before Final Office Action or Allo	owance]				
[]4	Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97(d) [before issue fee payment]						
	ssioner fo gton, DC	or Patents 20231					
SIR:							
	The foll	owing are submitted in the above identified	application in com	pliance with 37 CFR 1.97	& 1.98:		
[X] 5	A list of	f documents on Form PTO-1449 together who is explanation of each non-English langua	ith copies of each ge document is en	identified document and a closed herewith.	translation		
This pa	per is sub	mitted in accordance with:					
[X]6	37 CFR	1.97(b): [within 3 months of filing or prior	to 1st Office Action	n]			
[]7	37 CFR	1.97(c): [before Final Office Action or Allo	owance, whichever	r is earlier]; and			
	[]8	The required certification made in item 11	below; or				
	[]9	The \$180.00 fee specified in 37 CFR § 1.1 Disclosure Statement is authorized in item		n of this Information			
[]10	37 CFR	1.97(d): [before issue fee payment]; and					
	a)	This is a petition for consideration of the state (\$180.00) required by 37 CFR 1.17(i)(l "Attention PETITIONS EXAMINER" and "Allowed Files, Batch, Date of Allowed Files, Batch	) is authorized in i if applicable inclu	tem 14 below. (Direct this ade batch locator information	letter to:		
	b)	The required Certification is stated in item	11 below.				

# [ ] 11 Certification

- [ ] 12 Each item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or
- [ ] 13 No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.
- [X] 14 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 23-0920. An original and one (1) copy of this document are enclosed.

Respectfully submitted,

WELSH & KATZ, LTD.

Eric D. Cohen Reg. No. 38,110

WELSH & KATZ, LTD. 120 South Riverside Plaza 22<sup>nd</sup> Floor Chicago, IL 60606 (312) 655-1500 July 16, 2002

#### **CERTIFICATE OF MAILING**

I hereby certify that his paper is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this date:

7 Mar Eric D. Col

Eric D. Cohen, Esq. Registration No. 38,110 Attorney for Applicant

. •	O 1 AS AUGUST AND SMARK OF 18 AUGUST	EL .	
Form PTO-14			nt of Commerce
(Rev. 8-88)	۲	atent and I ra	demark Office
	INFORMATION DISCLO		
		U.S	S. PATENT DOCU
Examiner Initial*	Document Number	Date	N
	3,673,584	06/27/72	Farrand
	4,100,444	07/11/78	Boyd, Jr.
	4,164,705	08/14/79	Whitney et al.
	4,507,580	03/26/85	Obara

Examiner

\*Examiner:

applicant.

4,853,604

5,304,886

5,313,128

5,349,257

		nt of Commerce demark Office	Attorney Doc	ket No. 987		Serial	No. 10/063,45	51
RMATION DISCLOS	SURE STATE	MENT	Applicant		Wright			
(Use several sheets	Filing Date April 2	4, 2002		Group No. 2834				
	U.S	S. PATENT DOCUME	ENTS					<del></del>
ocument Number	Date	Name	e	Class	Subc	lass	Filing D If Appro	
673,584	06/27/72	Farrand	- April					
100,444	07/11/78	Boyd, Jr.					TEC	
164,705	08/14/79	Whitney et al.	············				NOL.	
507,580	03/26/85	Obara					790	JL 29
853,604	08/01/89	McMullin et al.			<u> </u>		ECHNOLOGY CENTER	9 2002
304,886	04/19/94	Yang						
313,128	05/17/94	Robinson et al.					2800	
349,257	09/20/94	Hernden				ri 		
	FOR	EIGN PATENT DOCL	JMENTS				T	
ocument Number	Date	Count	try	Class	Subo	class	Yes	slation No
								•
		1 1 A 41 TH	Data Datinani		<u> </u>			
OTHER DO	COMENTS (I	ncluding Author, Title	Date, Pertinent	rayes, E				
			* * * * * * * * * * * * * * * * * * *					
			<u> </u>					
						<u></u>		
		Date Considered						

OIFA
JUL 2 3 2002 **
6 x

Form PTO-1449 (Rev. 8-88)

Patent and Trademark Office

Sheet 2 of 3 Attorney Docket No. Serial No. 86987 10/063,451 Applicant

## INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

Wright Group No. Filing Date April 24, 2002 2834

#### U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,418,416	05/23/95	Müller			- i
	5,473,213	12/05/95	Kahle, Sr.			TECHNOLOG
	5,625,239	04/29/97	Persson et al.			JUL 2
	5,646,464	07/08 <i>1</i> 97	Sickafus			CEI O
	5,796,194	08/18/98	Archer et al.			TER
	5,986,419	11/16/99	Archer et al.			2800
	6,066,905	05/23/00	Wright et al.			
	6,175,169 B1	01/16/01	Hollis, Jr. et al.			

# FOREIGN PATENT DOCUMENTS

Document Number Date Country Class Subclass Yes No.	١
	)

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
		•
Examiner	 Date Considered	

\*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

•	JUL 2 3 2002	<u>,</u>						
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	•				l Ci-		heet 3 o
Form PTO-14 (Rev. 8-88)	49 PRADEM U	.S. Departme atent and Tra	ent of Commerce ademark Office	l l	ocket No. 86987	Seria	10/063,4	151
	INFORMATION DISCLOS			Applicant		Wright		
	(Use several sheets	if necessary	/) 	Filing Date Apri	l 24, 2002	Grou	p No. 2834	
		U.	S. PATENT DOCUM	ENTS			.,	
Examiner Initial*	Document Number	Date	Nar	ne	Class	Subclass	Filing ( If Appr	Date opriate
	6,201,322 B1	03/13/01	Heine et al.					
							TEC	
							- NO	•
							TECHNOLOGY CEN	=
							CE	.29
				was every			NER	2002
							<b>D</b>	
							800	
		F0.0	FIGURATENT DOG	LIMENTO				
			EIGN PATENT DOC					slation
	Document Number	Date	Coul	ntry	Class	Subclass	Yes	No
							-	
				o charache - Al Paris - An ann				
	OTHER DO	CLIMENTS (	Including Author, Title	Date Pertine	ent Pages F	tc )	J	<u> </u>
	OTTERBO	OOMENTO (I	moduling Addition, That	s, bate, i entire	mr agos, E			
		1		W. W				
					***************************************			
							<del></del>	
-								
Examiner			Date Considered					
*Examiner:	Initial if citation cons	idered wheth	her or not citation is i	n conformance	with MPFP	609: Draw lir	ne throug	h
Examinet.	citation if not in conf applicant.	ormance and	not considered. Inc	lude copy of th	is form with	next commur	nication to	D